

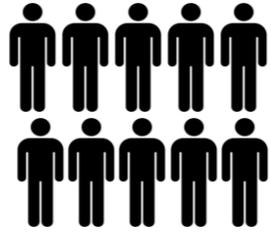


Stroke Care Pack

Monthly Report

May 2018

Stroke care



We attended **1174** suspected stroke patients

10% decrease in stroke patients since last month



58% of FAST positive patients were within the thrombolysis window (i.e. their symptoms started within 4.5 hours)

21 mins

Response

Average '999' call to on scene time is 21 minutes



98.8%

Diagnostic bundle

98.8% of suspected stroke patients received a complete diagnostic bundle



30 mins

On-scene

Average overall on scene time is 30 minutes, which is above the recommended 30 minutes



99.5%

Conveyance

99.5% of patients were conveyed to an appropriate destination. 3 patients were taken to an ED inappropriately



67 mins

Call to hospital

Average call to hospital time is 67 minutes for patients potentially eligible for thrombolysis



Response (minutes)

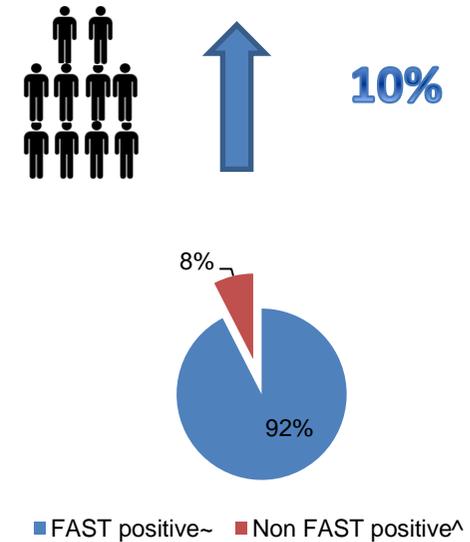
Category	%	Mean	90th centile
C1	6%	7	10
C2	81%	18	33
C3	11%	44	96.5
C4	2%	44	75

Actions

- ✓ Document the time when symptoms started.
- ✓ Record all components of the FAST – this includes if you are unable to assess due to the patient's presentation.
- ✓ Please try to spend minimal time on scene – remember time is brain!

Number of patients

Group Station	FAST positive~	Non FAST positive^	Total
Homerton	51	4	55
Newham	79	3	82
Romford	70	4	74
North East	200	11	211
Camden	33	4	37
Edmonton	62	5	67
Friern Barnet	48	2	50
North Central	143	11	154
Brent	73	9	82
Fulham	50	2	52
Hanwell	75	6	81
Hillingdon	38	2	40
Westminster	19	2	21
North West	255	21	276
Bromley	82	5	87
Deptford	96	7	103
Greenwich	67	5	72
South East	245	17	262
Croydon	41	4	45
New Malden	26	5	31
St Helier	48	5	53
Wimbledon	50	10	60
South West	165	24	189
PAS & VAS	24	1	25
Other LAS	53	4	57
LAS-Wide	1085	89	1174



Key:

~ FAST positive patients are those patients who are identified as having a deficit on one or more of the face, arm and speech elements of the FAST.

^ Non FAST positive patients are those who do not have a deficit on the face, arm and speech elements of the FAST and are therefore FAST negative; however, the crews have used a HASU destination code or suspected a stroke but were unable to assess patients using the FAST.

*Data within this Care Pack is correct at the time of publication

1. Diagnostic Bundle - all suspected stroke patients

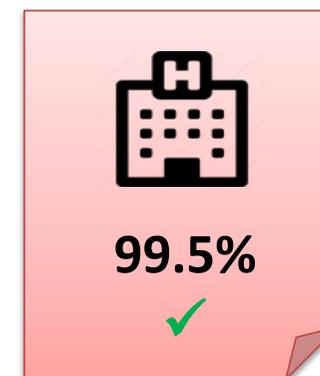
Group Station	Number of patients	FAST assessed or valid clinical exception documented		Blood pressure measured or valid clinical exception documented		Blood glucose measured or valid clinical exception documented		Care bundle received or valid clinical exception documented		
Homerton	55	54	98.2%	55	100%	55	100%	55	100%	★
Newham	82	79	96.3%	81	98.8%	82	100%	82	100%	★
Romford	74	73	98.6%	74	100%	72	97.3%	72	97.3%	↓
North East	211	206	97.6%	210	99.5%	209	99.1%	209	99.1%	
Camden	37	37	100%	37	100%	37	100%	37	100%	★
Edmonton	67	64	95.5%	67	100%	66	98.5%	66	98.5%	↔
Friern Barnet	50	48	96%	50	100%	50	100%	50	100%	★
North Central	154	149	96.8%	154	100%	153	99.4%	153	99.4%	
Brent	82	78	95.1%	82	100%	82	100%	82	100%	★
Fulham	52	50	96.2%	52	100%	52	100%	52	100%	★
Hanwell	81	79	97.5%	81	100%	78	96.3%	78	96.3%	↓
Hillingdon	40	40	100%	39	97.5%	40	100%	40	100%	★
Westminster	21	20	95.2%	21	100%	21	100%	21	100%	★
North West	276	267	96.7%	275	99.6%	273	98.9%	273	98.9%	
Bromley	87	84	96.6%	87	100%	87	100%	87	100%	★
Deptford	103	99	96.1%	102	99%	101	98.1%	101	98.1%	↓
Greenwich	72	71	98.6%	72	100%	71	98.6%	71	98.6%	↓
South East	262	254	96.9%	261	99.6%	259	98.9%	259	98.9%	
Croydon	45	43	95.6%	45	100%	45	100%	45	100%	★
New Malden	31	30	96.8%	31	100%	31	100%	31	100%	★
St Helier	53	51	96.2%	53	100%	52	98.1%	52	98.1%	↓
Wimbledon	60	58	96.7%	60	100%	60	100%	60	100%	★
South West	189	182	96.3%	189	100%	188	99.5%	188	99.5%	
PAS & VAS	25	25	100%	25	100%	25	100%	25	100%	★
Other LAS	57	56	98.2%	54	94.7%	53	93%	53	93%	↔
LAS-Wide	1174	1139	97%	1168	99.5%	1160	98.8%	1160	98.8%	

*As of April 2018, at least one of the face, arm and speech components must be documented in order for FAST to be assessed.

2. Patient Destination - FAST positive patients only

Group Station	Number of patients	HASU		ED			
		Appropriate ~		Appropriate #		Inappropriate ^	
Homerton	51	50	98%	0	0%	1	2%
Newham	79	77	97.5%	0	0%	2	2.5%
Romford	70	70	100%	0	0%	0	0%
North East	200	197	98.5%	0	0%	3	1.5%
Camden	33	33	100%	0	0%	0	0%
Edmonton	62	62	100%	0	0%	0	0%
Friern Barnet	48	46	95.8%	2	4.2%	0	0%
North Central	143	141	98.6%	2	1.4%	0	0%
Brent	73	73	100%	0	0%	0	0%
Fulham	50	50	100%	0	0%	0	0%
Hanwell	75	75	100%	0	0%	0	0%
Hillingdon	38	37	97.4%	1	2.6%	0	0%
Westminster	19	19	100%	0	0%	0	0%
North West	255	254	99.6%	1	0.4%	0	0%
Bromley	81	81	100%	0	0%	0	0%
Deptford	96	93	96.9%	1	1.0%	2	2.1%
Greenwich	67	66	98.5%	0	0%	1	1.5%
South East	244	240	98.4%	1	0.4%	3	1.2%
Croydon	41	41	100%	0	0%	0	0%
New Malden	24	24	100%	0	0%	0	0%
St Helier	48	48	100%	0	0%	0	0%
Wimbledon	49	49	100%	0	0%	0	0%
South West	162	162	100%	0	0%	0	0%
PAS & VAS	24	23	95.8%	1	4.2%	0	0%
Other LAS	53	53	100%	0	0%	0	0%
LAS-Wide*	1081	1070	99%	5	0.5%	6	0.5%

† Where percentages do not add up to 100%, this is due to rounding

**Key:**

* 3 Patients refused hospital against advice from the crew and 1 was taken to hospital by another ambulance service and are thus excluded from this table.

~ HASU was appropriate if the patient was identified as FAST positive.

ED was appropriate if the crew documented a valid reason, e.g. patient was too unwell to travel to a HASU or insisted on a different hospital.

^ ED was inappropriate if the patient was identified as FAST positive and taken to an ED without a valid reason documented by the crew.

3. Ambulance Response Intervals - FAST positive patients only

Group Station	999 call - arrive scene ‡			Journey time			999 call - arrive hospital ‡		
	Average	Range	90th centile	Average	Range	Average	Range		
Homerton	20 (14)	4-168	31	13 (13)	1-31	62 (55)	26-212		
Newham	24 (19)	0-172 #	43	19 (18)	2-56	72 (65)	28-271 ▶		
Romford	18 (13)	2-169	31	13 (11)	4-33	57 (48)	30-199		
North East	21 (16)	0-172	41	15 (14)	1-56	64 (57)	26-271		
Camden	19 (18)	2-89	33	15 (12)	3-48	63 (60)	33-127		
Edmonton	26 (26)	4-180 #	43	27 (23)	6-75 ■	82 (75)	37-236 \$		
Friern Barnet	19 (19)	3-80	30	22 (20)	6-53	73 (68)	38-140		
North Central	22 (22)	2-180	38	23 (19)	3-75	75 (69)	33-236		
Brent	19 (19)	4-118	39	16 (13)	4-52	64 (60)	20-185		
Fulham	20 (16)	3-81	50	13 (12)	5-37	60 (52)	27-133		
Hanwell	23 (16)	3-399 #	34	20 (17)	0-52	70 (59)	35-443		
Hillingdon	37 (31)	3-119 #	93	23 (22)	11-43	83 (75)	38-168		
Westminster	28 (27)	4-152 #	59	15 (12)	5-38	55 (69)	32-194		
North West	24 (20)	3-399	51	17 (15)	0-52	68 (61)	20-443		
Bromley	17 (15)	3-75	32	16 (14)	3-46	62 (54)	22-144		
Deptford	13 (12)	2-53	26	13 (10)	1-56	57 (53)	21-120 ◆		
Greenwich	16 (17)	3-68	38	25 (22)	10-64	75 (71)	37-169 ◻		
South East	15 (14)	2-75	32	17 (15)	1-64	64 (59)	21-169		
Croydon	17 (19)	4-75	32	18 (16)	7-47	62 (62)	39-138		
New Malden	31 (31)	2-223 #	68	24 (20)	9-73	79 (77)	41-300		
St Helier	20 (14)	2-117	37	17 (13)	5-40	65 (50)	31-166		
Wimbledon	22 (21)	3-116	39	14 (12)	5-51	61 (58)	24-164		
South West	21 (20)	2-223	39	17 (14)	5-73	65 (59)	24-300		
PAS & VAS	34 (29)	7-147	95	18 (17)	4-42	94 (76)	34-227		
Other LAS	20 (20)	4-94	35	16 (15)	3-48	65 (62)	30-135 ◆ \$		
LAS-Wide	21 (18)	0-399	40	18 (15)	0-75	67 (61)	20-443		

**Key:**

^ ‡ Health care professional admissions are excluded as health care professionals can request a response within a specific timeframe

Late dispatch due to lack of available resources

■ Delay due to distance from scene to HASU

◆ Delays due to difficult removal of patients

▶ Delay due to patient initially refusing to be conveyed to hospital

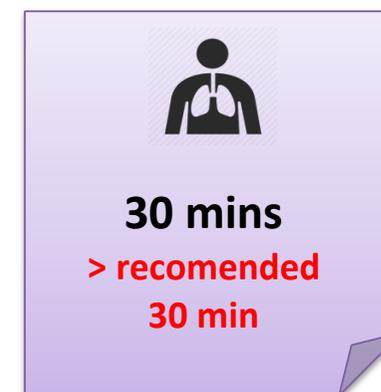
\$ Delay due to the patient developing new symptoms prior to leaving scene

◻ Delay gaining access to patient

*Response times shown in brackets refer to FAST positive patients who were conveyed to a HASU and who were potentially eligible for thrombolysis, i.e. their symptoms were less than 4.5 hours old when leaving the scene of the incident, or where the time of onset of symptoms was not documented by the crew.

3 (cont.). Ambulance Response Intervals - FAST positive patients only

Group Station	Time spent on scene (minutes)			
	From arrival of first attending resource		From arrival of first ambulance crew	
	Average	Range	Average	Range
Homerton	30 (29)	10-65	29	10-65
Newham	31 (30)	9-86	29	9-86 ▶ ◆
Romford	27 (25)	10-55	26	10-55
North East	29 (28)	9-86	28	9-86
Camden	30 (29)	10-53	30	10-53
Edmonton	30 (27)	11-118 @	28	11-62 ◆
Friern Barnet	32 (28)	7-64	32	7-64 ▶ ◆
North Central	31 (28)	7-118	30	7-64
Brent	31 (29)	9-77	30	9-77 ♣
Fulham	28 (26)	10-76	26	10-61
Hanwell	30 (30)	6-128	27	5-128 ▶
Hillingdon	28 (27)	11-82 @	23	0-46
Westminster	32 (31)	12-54	31	12-54 ◆
North West	30 (28)	6-128	27	0-128
Bromley	30 (25)	10-86	28	10-86 ⊖
Deptford	31 (31)	8-111	30	8-111
Greenwich	33 (32)	8-110	32	8-110 △
South East	31 (29)	8-111	30	8-111
Croydon	29 (30)	13-68	27	13-68
New Malden	29 (31)	14-59	26	14-42
St Helier	31 (23)	11-123	30	11-123 ▶
Wimbledon	28 (29)	12-69	25	9-69 ◆
South West	29 (28)	11-123	27	9-123
PAS & VAS	45 (32)	13-140	43	13-140 ▶
Other LAS	30 (27)	10-58	29	10-58 ▶ ◆
LAS-Wide	30 (28)	6-140	29	0-140

**Key:**

- @ Delays due to single responders waiting for ambulances
- ▶ Delays due to patients initially refusing to be conveyed to hospital
- ◆ Delays due to difficult removal of patients to ambulances
- ♣ Delay due to the patient's family initially refusing for them to be conveyed to hospital
- ⊖ Delay due to patient welfare
- △ Delay gaining access to patient

*Response times shown in brackets refer to FAST positive patients who were conveyed to a HASU and who were potentially eligible for thrombolysis, i.e. their symptoms were less than 4.5 hours old when leaving the scene of the incident, or where the time of onset of symptoms was not documented by the crew.